

## CLAIMS

What is claimed is:

1. A process for measuring stress on a conducting surface having an insulating coating applied to said surface and a conductive coating applied to said insulating coating, comprising  
5 measuring the resistivity of said conductive coating, wherein said conductive coating comprises stabilized diamond-like metal-carbon atomic scale composites.
2. A process for measuring stress on an insulating surface having an conductive coating applied to said surface, comprising measuring the resistivity of said conductive coating, wherein  
said conductive coating comprises stabilized diamond-like metal-carbon atomic scale  
10 composites.